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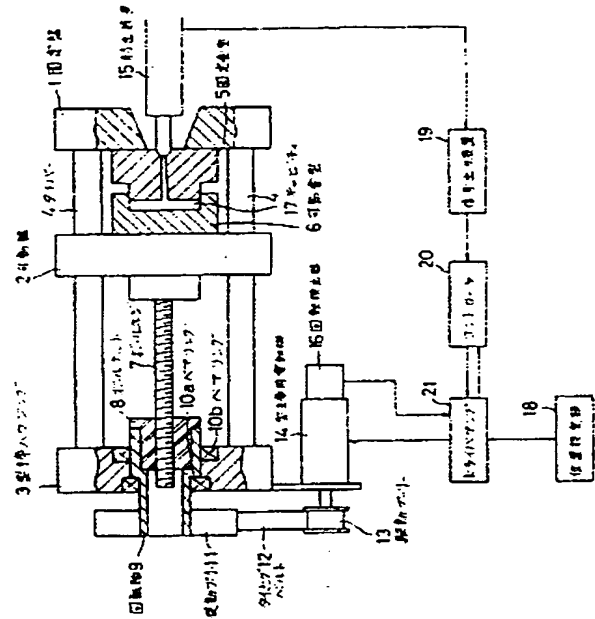
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APPLICANT : JAPAN STEEL WORKS LTD:THE;

INVENTOR : UDA YUTAKA;

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TITLE : INJECTING COMPRESSION CONTROL
METHOD OF ELECTRICAL INJECTION
MOLDING MACHINE AND APPARATUS
THEREOF



ABSTRACT : PURPOSE: To hold a movable mold position easily and accurately by detecting and controlling the rotating degree and the injecting rate of a mold clamping electric motor through a rotating detector during the period of closing actuation and the injecting actuation of a movable mold.

CONSTITUTION: A mold 6 being in the mold opened condition is closed through the low torque rotation of a mold clamping electrical motor 14, at this time, the degree of the mold clamping electrical motor 14 is detected by a rotating detector 16, and then the detected rotational value is compared with the rotational set value corresponding to the mold closing position set beforehand. When the rotational detected value coincides with the rotational set value, an injection commencing indication is outputted to an injection apparatus 15 in order to fill resin into the cavity. At the same time, the rotating degree of the mold clamping electrical motor 14 is detected so as to be compared with the rotational set value, and in accordance with the difference thereof, the rotating degree of the mold clamping electrical motor 14 is kept to the rotational set value so as to be a servolock-state. After injecting predetermined resin, the mold clamping electrical motor 14 is rotate din high torque, and a mold clamping is carried out thereby.

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